Power Grid already exists. Regional Electricity Boards exist in each region for coordinated operation of power system within the respective region. In order to ensure optimum utilisation of available power, the setting up of a National Grid which is in evolutionary process is being vigorously pursued. It envisages strengthening and improvements of Regional Power Grids and their progressive integration through the setting up of inter-state and interregional transmission lines which cut across state and regional boundaries.

Pending Proposals for Power Projects

1547. SHRI MENTAY PADMANABHAM : Will the Minister of POWER be pleased to state:

(a) whether it is a fact that 66 proposals for setting up power projects are pending with Government;

(b) if so, the status of clearance and approval of the above projects;

(c) the details of each of the above 66 projects, giving location and capacity, thereof ; and

(d) the proposed schedule of implementation thereof ?

THE MINISTER OF STATE IN THE MINISTRY OF POWER (SHRI P. V. RANGAYYA NAIDU): (a) to (c) Details of the power projects received from the States for accord of techno-economic clearance of the Central Electricity Authority are given in the Annexure *[See* Appendix CLXIX, Annexure No 39.]

(d) The techno-economic clearance of power schemes is dependent upon availability of vorious inputs, certain statutory and other clearances from other Ministries/ agencies and timely submission of requisite replies/clarifications from the project authorities. Hence, it is not feasible to assess as to how long it may take for according techno-economic clearance to these projects. Completion of these projects is dependent upon availability of sufficient financial allocations, timely supply of equipment by manufacturers and proper management by the project authorities. Central Electricity Authority is conducting periodical meetings with the concerned project authorities in various States for timely completion of power projects and for resolution of outstanding issues.

Energy Deficit in Maharashtra and Gujarat

1548. SHRI VIREN J. SHAH:
SHRI PRAMOD MAHAJAN:
Will the Minister of POWER be pleased to state:

(a) what is the total energy deficit at present in the states of Maharashtra and Gujarat;

(b) what steps have been taken by Government to meet the increasing energy defiicits in these States;

(c) what are the details of the progress made so far under each scheme/project in the hydro-power sector which are under implementation or are likely to be implemented with the assistance of Central/ State Governments and of the World Bank in Maharashtra and Gujarat; and

(d) what are the reasons for delay in the implementation of Koyna *TV* project; what are the details of the progress made so far and by when the project is likely to be completed ?

THE MINISTER OF STATE IN THE MINISTRY OF POWER (SHRI P. V. RANGAYYA NAIDU): (a) The details of actual power supply position in Maharashtra and Gujarat during April, 1993—November 1993 are as under :—

Period April, 1993—*November,* 1993
(Figures in MU net)

	Maharashtra	Gujarat
Requirement . .	29315	19425
Availability . .	28109	18519
Shortage . .	1206	906
% . . .	4.1	4.7

(b) In order to bridge the gap between energy requirement and availability various measures are being taken in Gujarat and Maharashtra which include expediting commissioning of new generating capacity, implementation of short-gestation projects, reduction in Transmission & Distribution losses, implementation of demand management and energy conservation measures and arranging transfer of energy from surplus to different areas. Assistance has also been provided to Gujarat and Maharashtra from 15% unallocated output of Central Sector Stations from time to time depending upon the relative percentage shortage of other Constituent Systems of the Region.

(c) The required details are given in the Statement *(See* below).

(d) The main constraint in implementation of Koyna Stage IV H.E. Project is delay in placement of order for T.G. Set.

Statement

Status of Hydro Electric Projects presently under implementation in Maharashtra and Gujartat

Sl. No.	Name of the Proj./ Cap.(MW)	Comming. Schedule	Progress made so far
MAHARASHTRA			
1	Koyna St. IV (2×250 MW) 4×250MW Aided by World Bank	1996-97 2×250—9th Plan	The project is being implemented with World Bank loan assistance of US $230 million Civil works of HRT, pressure shefts, power house and tail race tunnel are in progress. EOT cranes have been cordered. Bid evaluation report of TG equipments has been submitted to World Bank. The delay in placement of orders for TG equipments may lead to non-fulfilment of 8th Plan targets.
2	Bhandardara St. II (1×34MW) State Sector	1994-95	Civil works are in advanced stage EOT crane has been commissioned. Supply of TG equipment from BHEL is in progress. Spiral case has been concreted. Futher erection activities are in progress.
3	Manikdoh (1×6MW) State Sector	1994-95	Civil works are progressing. EOT crane has been commissioned. Supply of TG equipment from BHEL is in progress. Spiral case is being concreted. Power Transformer has been received at site.
4	Surya (1×6MW) State Sector	1994-95	Civil works of intake structure have been completed. Other civil work are in progress. EOT crane has been commissioned. Supply of TG equipment from BHEL is in progress.
5	Warna 2×8MW) State Sector	1994-95	Civil works of dam & intake structure etc. are in progress. Penstock works, power house building and tail race channel are nearing completion. EOT crane has been commissioned. Supply of TG equipments from BHEL is in progress. Unit erection activities are also in progress.

Sl. No.	Name of the Proj/Cap. (MW)	Commng Schedule	Progress made so far
6	Dimbhe (1×5 MW) State Sector	1994-95	The forest & enviroment clearance are yet to be obtained. Civil works of dam, intake structure, power house and tail race channel etc. are in progreses. EOT crane has been commsissioned. Supply of TG equipment from BHEL is in progress. Unit erection activities are also in progress.
7	Dudhganga (2×12 MW) State Sector	1995-96	Dam has been constructed. Intake is ready. Civil works of penstock, power house and tail race channel etc. are in progress. EOT crane has been erected. Supply of TG equipment from BHEL is in progress. Unit erection activities are also in progress.
8	Bhira PSS (1×150 MW) Private Sector (TATAS) aided by World Bank	1994-95	Penstock fabrication has been taken up. Power house excavation is in progress. TG set has been ordered on M/s Sulzer Seimens, Germany. Manufacture of main plant has been commenced.
9	Ghatghar PSS (2×125 MW) State Sector aided by OECF	9th Plan	OECF loan of 11,414 million Yet has been sanctioned. Short listing of foreign consultants has been done. The preliminary civil works are likely to be taken up shortly.
10	Sardar Sarovar RBPH (6×200+5×50 MW) CHPH Joint Sector Project (Guj./MP/Mah.) aided by World Bank/OECF Maharashtra share: 27 %	1997-99 1995-97	Civil works of dam & REPH, financed by World Bank load, are progressing However, Govt. of India opted not to avail of the World Bank loan beyond March, 93. The generating equipments were to be financed by OECF loan which also now is not available. As such alternate source of financing in lieu of OECF loan is under consideration of Govt. The TG sets for GHPH have been supplied by BHEL and the units are under erection.
11	Bhivpuri PSS (1×90 MW) Private Sector (TATAS)	9th Plan	The project was cleared by CEA on 4th Dec., 90 PIB clearance is awaited.
GUJARAT			
1	Sardar Sarovar RBPH (Guj.) (6×200+5×50) Joint Sector Project (Guj./MP/Mah.) CHPH Aided by World Bank/CECF: Gujarat share—16%	1997-99 1995-97	Civil works of dam and RBPH, financed by World Bank, are progressing. However, Govt. of India opted not to avail of the World Bank loan beyond March, 93. The generating equipments were to be financed by OECF loan which also now is not available. As such, alternate source of financing in lieu of OECF loan is under consideration of Govt. The TG sets of CHPH have been supplied by BHEL and the units are under erection.
2	Kadana PSS Extn. (2×60 MW) State Sector Project	1995-96	All civil works of the power house have been completed. Orders for TG sets have been placed. Erection of units is in progress.